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Self: The appearance of double characters on the messages received from either the transmit terminals is estimated by the contractor and HQ. to be due to the servo system of the Ferranti reader. This trouble was encountered in previous operation from Occasionally synchronization, as observed on the scope, (intensity modulated spot on sawtooth waveform), could not be obtained throughout the entire range of the inductor control, "Servo Control", which is used to synchronize the 60-cycle servo oscillator pulses and sprocket hole output. Observation of the servo amplifier voltage output (as read on the amplifier meter) indicated a low voltage. Readjustment of this voltage (amplifier gain adjustment on the amplifier chassis) to the rated Ferranti motor voltage, 115 volts AC, ~~may~~ should correct this trouble. Square wave should be observed on the self-contained scope at the point of multiplex in transmit terminal. Transmission of HY tape to self should indicate when trouble is cleared up. Suggest this self-checking method should be done periodically.

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